10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DUOXA2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13417b

Product Information

Application	WB, E
Primary Accession	Q1HG44
Other Accession	NP_997464.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33514
Calculated MW	34787
Antigen Region	286-314

Additional Information

Gene ID	405753
Other Names	Dual oxidase maturation factor 2, Dual oxidase activator 2, DUOXA2
Target/Specificity	This DUOXA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-314 amino acids from the C-terminal region of human DUOXA2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DUOXA2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DUOXA2
Function	Required for the maturation and transport of functional DUOX2 from the endoplasmic reticulum to the plasma membrane (PubMed:16651268). Recruits DUOX2 to the apical cell membrane (PubMed:39126279).

Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein
Tissue Location	Specifically expressed in thyroid. Also detected in salivary glands.

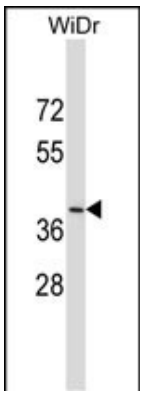
Background

This gene encodes an endoplasmic reticulum protein that is necessary for proper cellular localization and maturation of functional dual oxidase 2. Mutations in this gene have been associated with thyroid dyshormonogenesis 5.

References

Luxen, S., et al. J. Cell. Sci. 122 (PT 8), 1238-1247 (2009) :
Zamproni, I., et al. J. Clin. Endocrinol. Metab. 93(2):605-610(2008)
Eriksson, A., et al. BMC Gastroenterol 8, 34 (2008) :
Grasberger, H., et al. Mol. Endocrinol. 21(6):1408-1421(2007)
Grasberger, H., et al. J. Biol. Chem. 281(27):18269-18272(2006)

Images



DUOXA2 Antibody (C-term) (Cat. #AP13417b) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the DUOXA2 antibody detected the DUOXA2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.